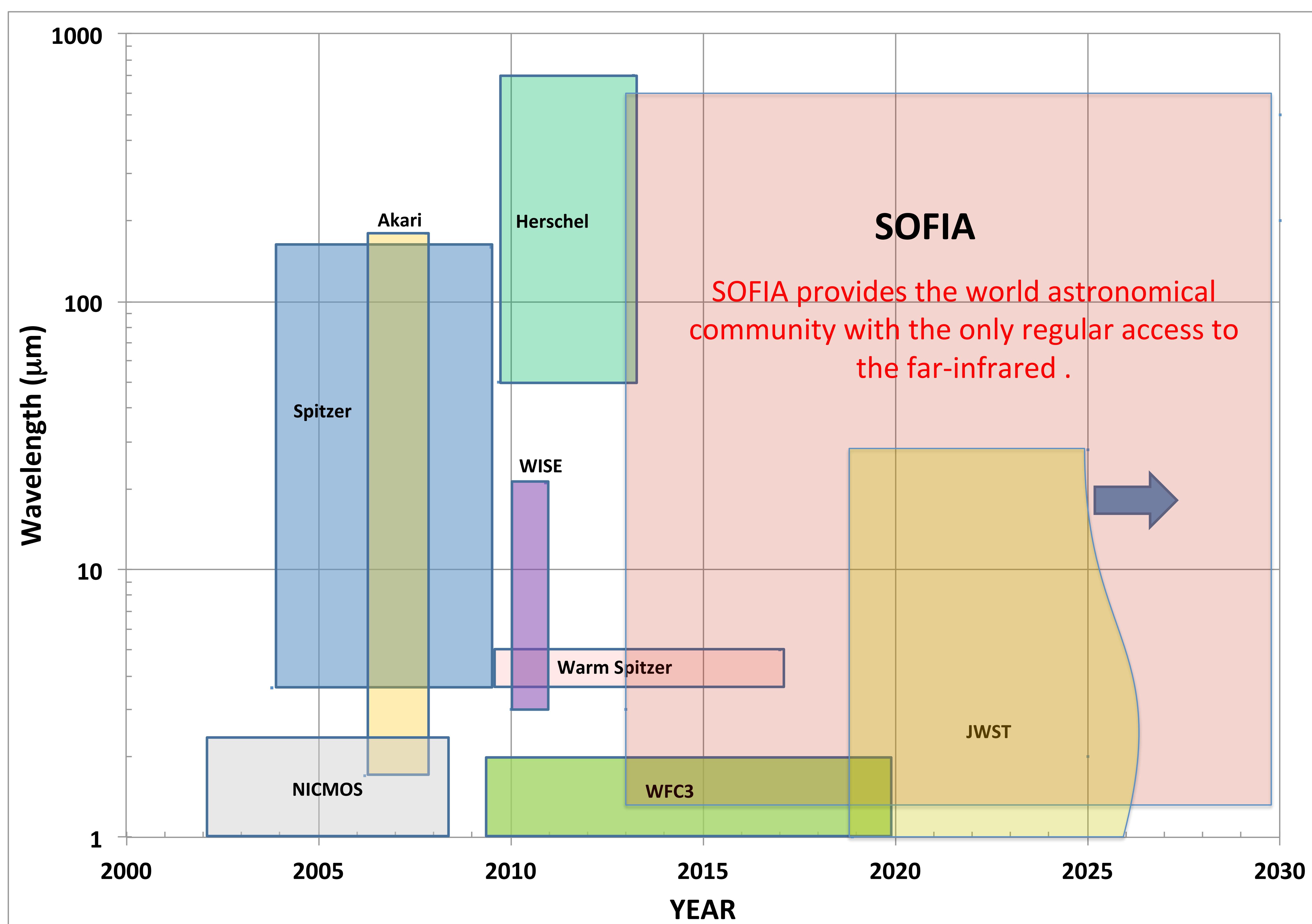
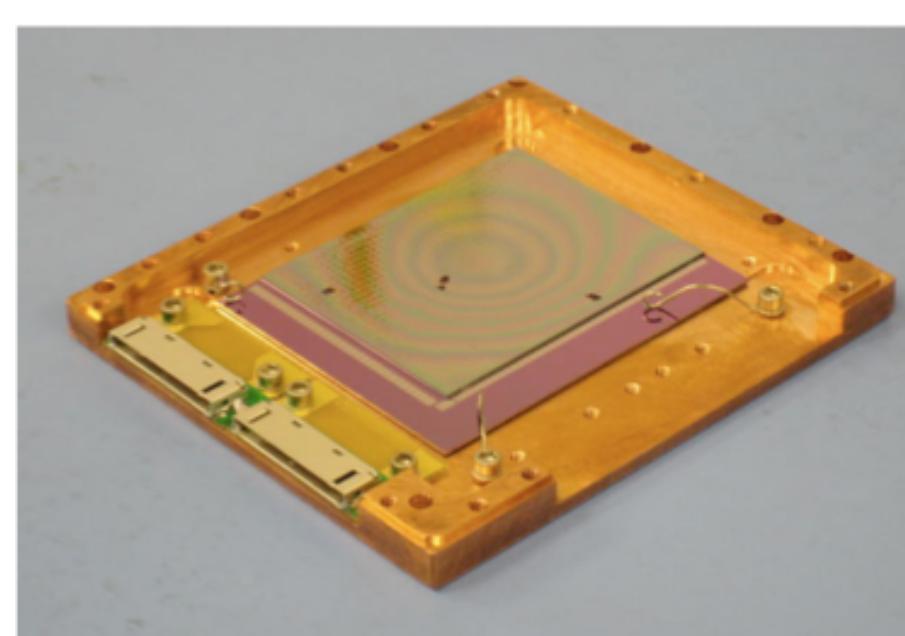


SOFIA Is the Bridge to the Next Far Infrared Mission

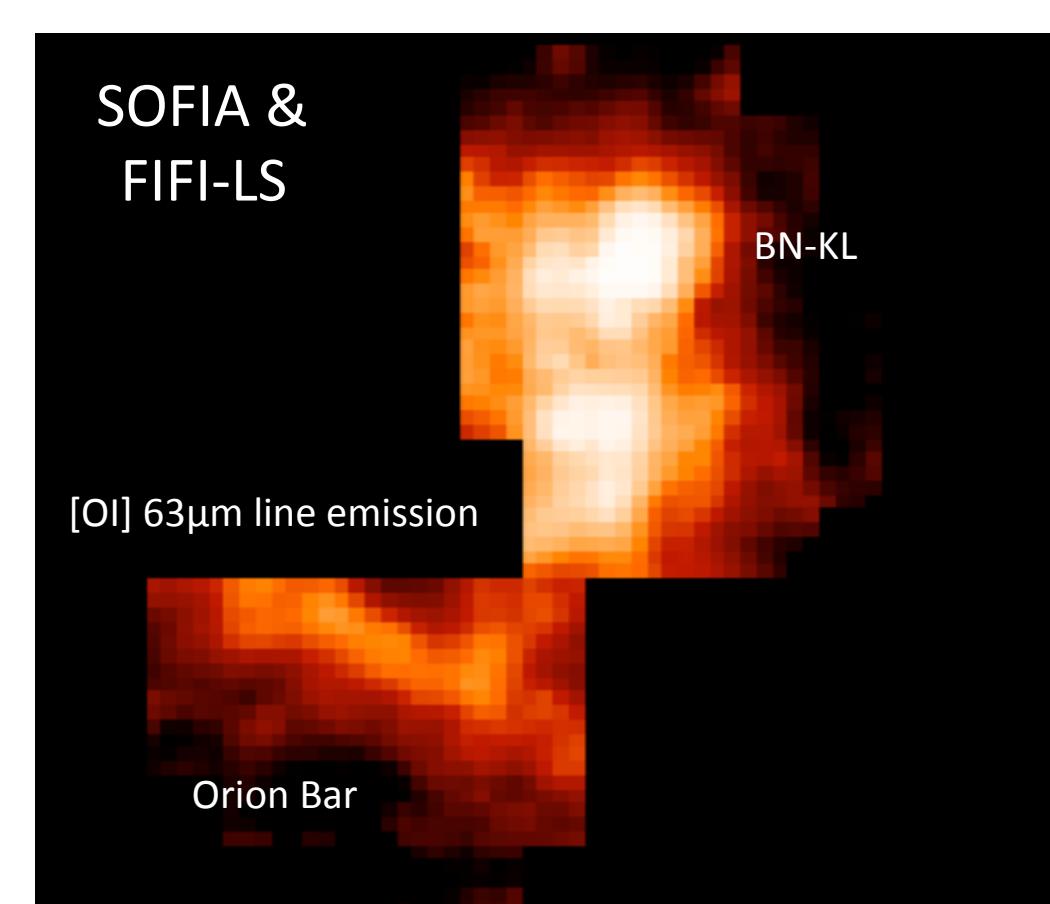


Being a Testbed for Technology

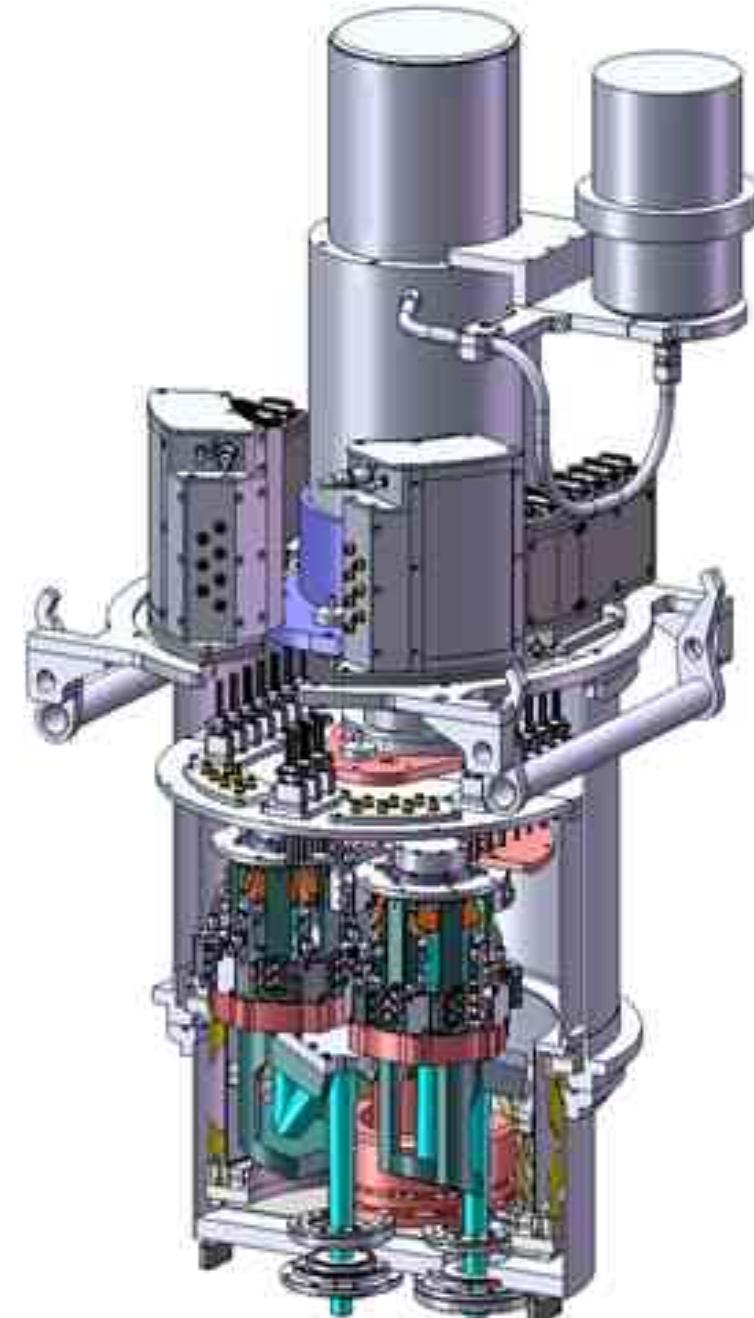
- Detector Arrays
- Advanced Spectrometers
- Array Heterodyne Receivers
- Polarimeters



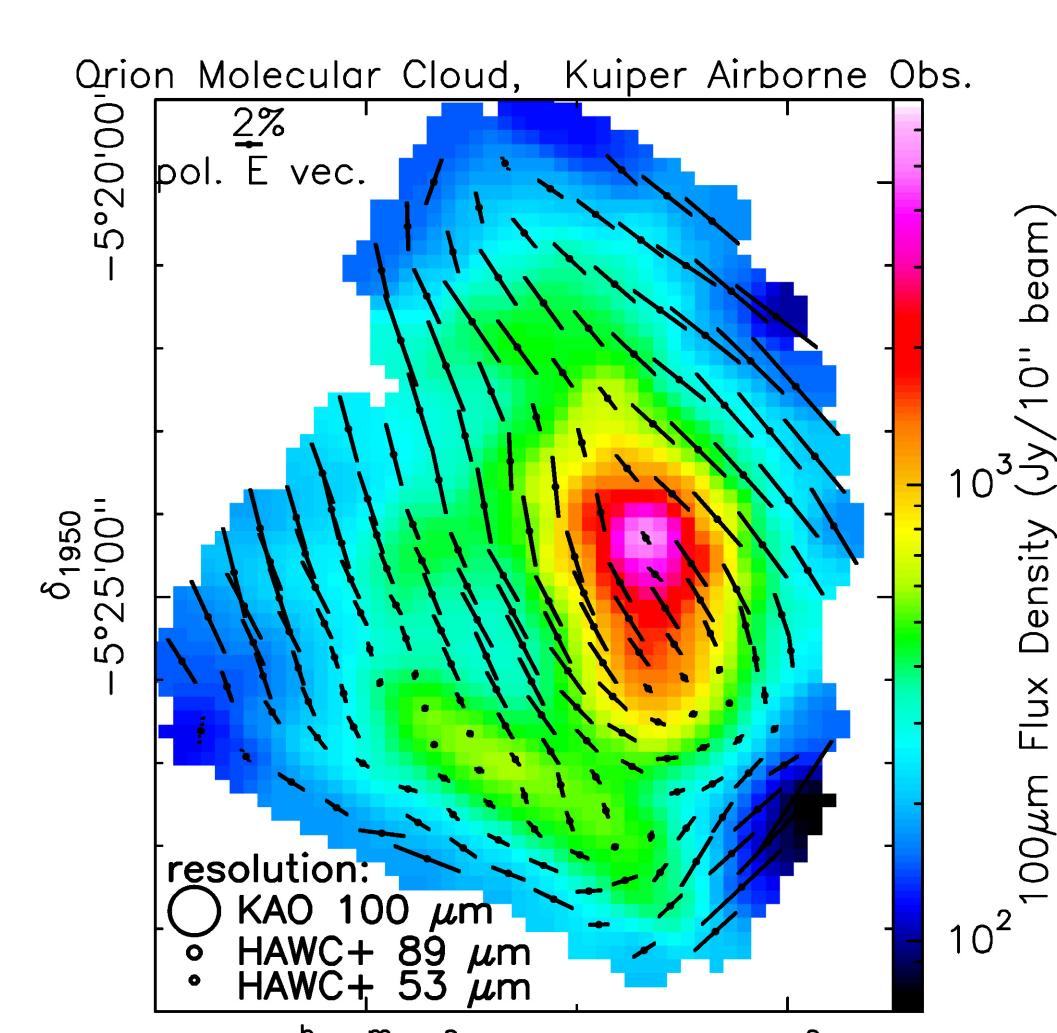
Backshort Under Grid Bolometer Array



FIFI-LS Image of Orion Nebula at 63 μm [O I]



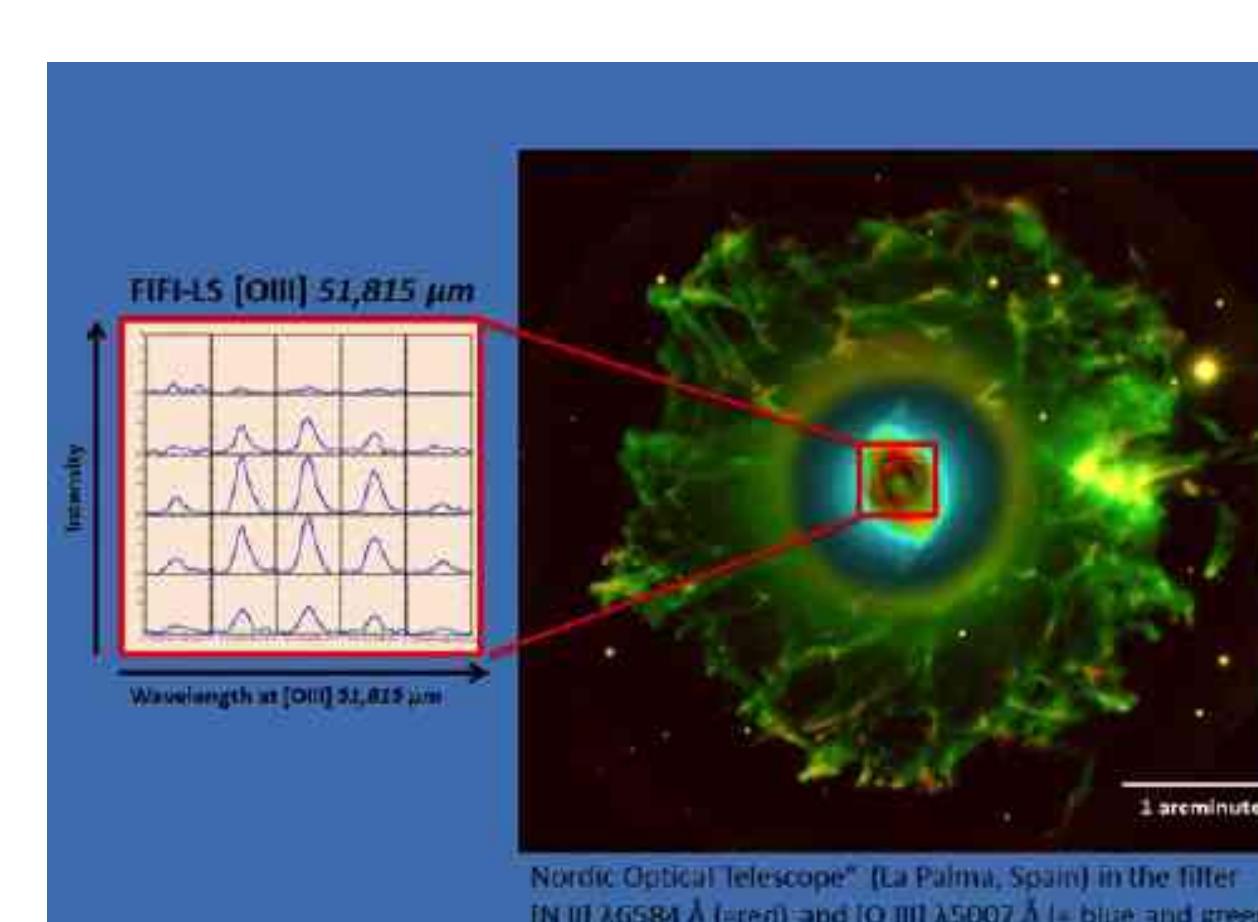
upGREAT Cryostat 14-pixel Array



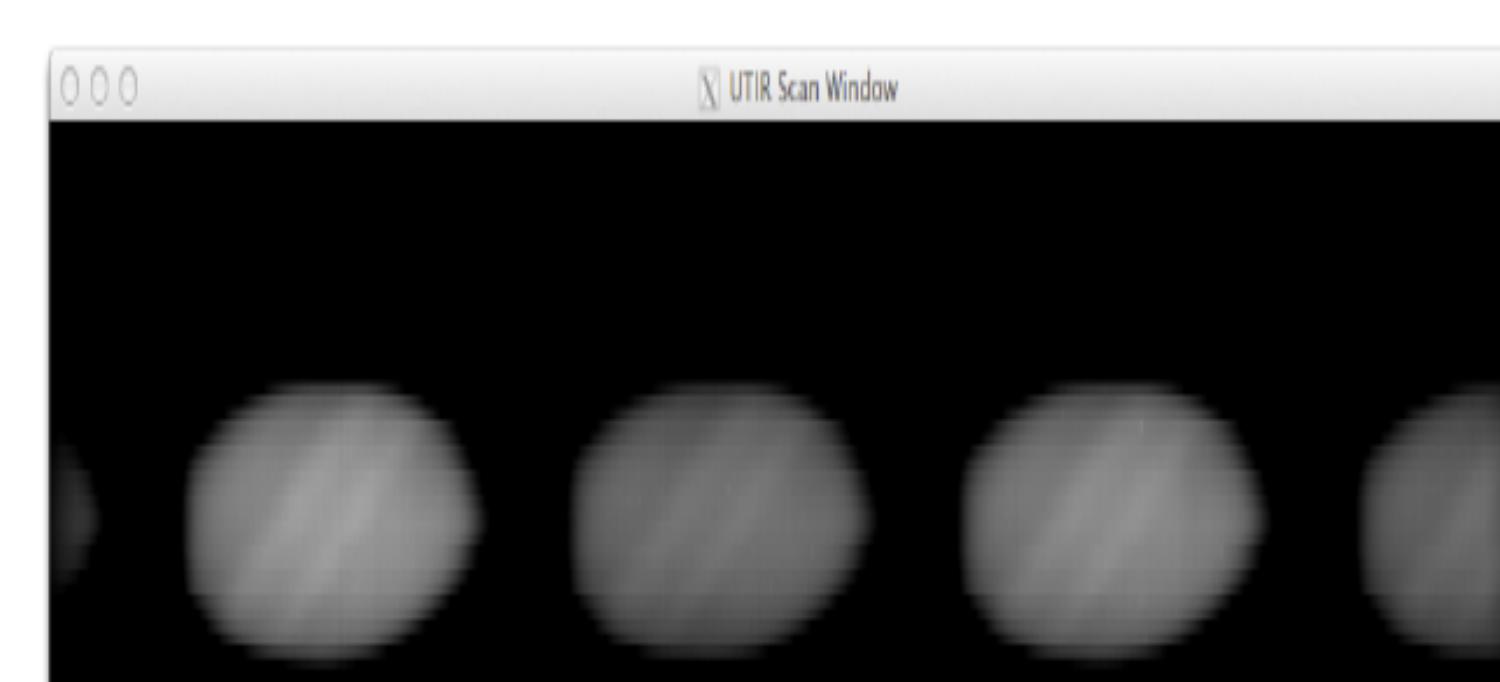
Polarimetric Observations of Orion Nebula (KAO & SOFIA beams)

Refining the Science Themes

- Star Formation
- Life Cycle of Matter in the ISM
- Solar System Objects
- Galactic Center
- Magnetic Fields



FIFI-LS Integral Field Spectra of Planetary Nebula NGC 6543 at 51.8 μm [O III]



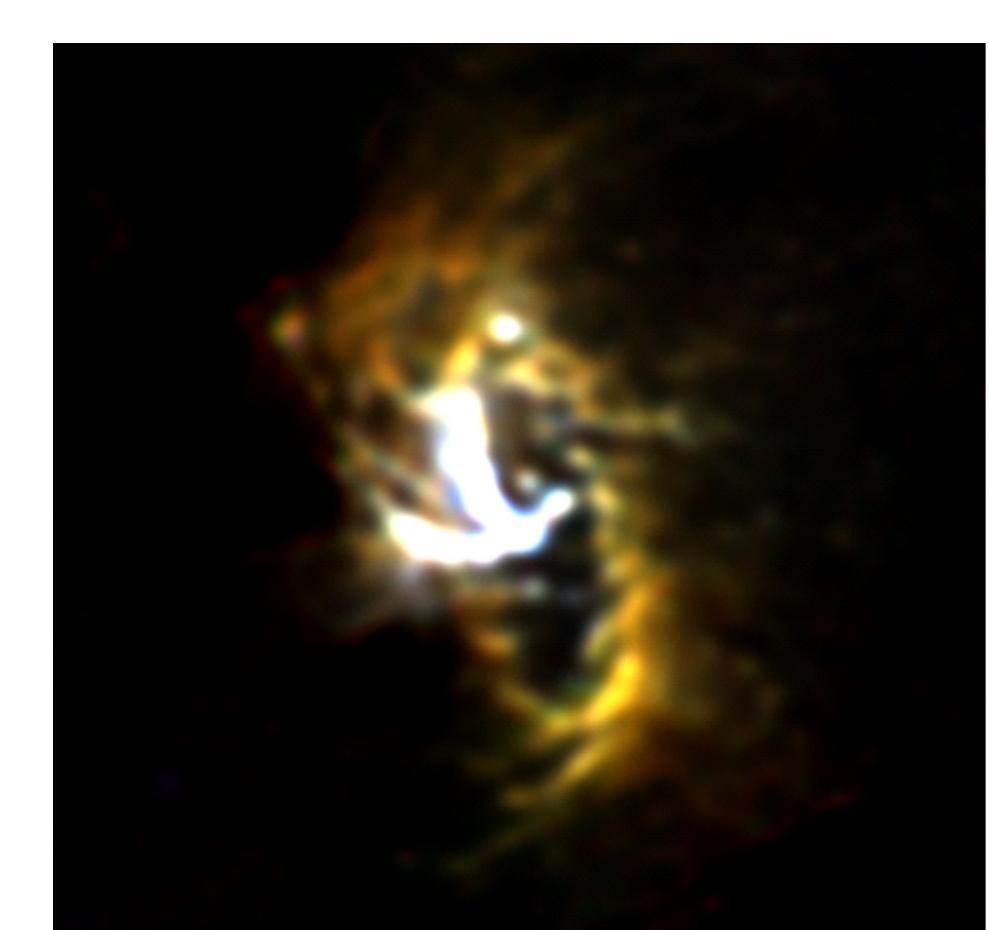
EXES Spectral Images of Jupiter in 28 μm H₂ Line

Educating the Public

- Support of STEM Education
- Public Awareness of Infrared



SOFIA Airborne Astronomy Ambassadors on flight in 2013



FORCAST Galactic Center Observations 20, 32, & 37 μm